

# Aldose Reductase, Oxidative Stress, and Diabetic Mellit

Frontiers in Pharmacology

3, 87

DOI: [10.3389/fphar.2012.00087](https://doi.org/10.3389/fphar.2012.00087)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Oxidative Stress, Nox Isoforms and Complications of Diabetes—Potential Targets for Novel Therapies. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 509-518.	1.1	104
2	Role of Endothelial Cell Metabolism in Vessel Sprouting. <i>Cell Metabolism</i> , 2013, 18, 634-647.	7.2	320
3	Proteomic analysis of seminal plasma from infertile patients with oligoasthenoteratozoospermia due to oxidative stress and comparison with fertile volunteers. <i>Fertility and Sterility</i> , 2013, 100, 355-366.e2.	0.5	37
4	Synthesis of derivatives of the keto-pyrrolyl-difluorophenol scaffold: Some structural aspects for aldose reductase inhibitory activity and selectivity. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 869-873.	1.4	19
5	Inhibition of aldose reductase by <i>Aegle marmelos</i> and its protective role in diabetic cataract. <i>Journal of Ethnopharmacology</i> , 2013, 149, 215-221.	2.0	31
6	X-ray structure of the V301L aldose reductase 1B10 complexed with NADP <sup>+</sup> and the potent aldose reductase inhibitor fidarestat: Implications for inhibitor binding and selectivity. <i>Chemico-Biological Interactions</i> , 2013, 202, 178-185.	1.7	14
7	Antioxidant effect of astragalins isolated from the leaves of <i>Morus alba</i> L. against free radical-induced oxidative hemolysis of human red blood cells. <i>Archives of Pharmacal Research</i> , 2013, 36, 912-917.	2.7	79
8	Neuroprotective effects of the Chinese Yi-Qi-Bu-Shen recipe extract on injury of rat hippocampal neurons induced by hypoxia/reoxygenation. <i>Journal of Ethnopharmacology</i> , 2013, 145, 168-174.	2.0	16
9	The Akt/FoxO3a/manganese superoxide dismutase pathway is involved in the regulation of oxidative stress in diabetic nephropathy. <i>Experimental Physiology</i> , 2013, 98, 934-945.	0.9	65
10	Long-term streptozotocin-induced diabetes in rats leads to severe damage of brain blood vessels and neurons via enhanced oxidative stress. <i>Molecular Medicine Reports</i> , 2013, 7, 431-440.	1.1	33
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12	Prospecting for Novel Plant-Derived Molecules of <i>Rauvolfia serpentina</i> as Inhibitors of Aldose Reductase, a Potent Drug Target for Diabetes and Its Complications. <i>PLoS ONE</i> , 2013, 8, e61327.	1.1	45
13	Editorial on research topic: aldose reductases and role in human disease. <i>Frontiers in Pharmacology</i> , 2013, 4, 65.	1.6	2
14	Pathogenesis of Chronic Hyperglycemia: From Reductive Stress to Oxidative Stress. <i>Journal of Diabetes Research</i> , 2014, 2014, 1-11.	1.0	261
15	Evaluation of ranirestat for the treatment of diabetic neuropathy. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014, 10, 1051-1059.	1.5	6
16	Development of novel pyrazolone derivatives as inhibitors of aldose reductase: An eco-friendly one-pot synthesis, experimental screening and in silico analysis. <i>Bioorganic Chemistry</i> , 2014, 53, 67-74.	2.0	27
18	Metabolism of stromal and immune cells in health and disease. <i>Nature</i> , 2014, 511, 167-176.	13.7	377
19	Identification of a novel polyfluorinated compound as a lead to inhibit the human enzymes aldose reductase and AKR1B10: structure determination of both ternary complexes and implications for drug design. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 889-903.	2.5	28

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26	Diabetes and Alzheimer Disease, Two Overlapping Pathologies with the Same Background: Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-14.	1.9	91
27	Aldose reductase expression as a risk factor for cataract. <i>Chemico-Biological Interactions</i> , 2015, 234, 247-253.	1.7	54
28	In vitro efficacy evaluation for prevention of diabetes and diabetic complications using <i>Aster spathulifolius</i> . <i>Food Science and Biotechnology</i> , 2015, 24, 301-306.	1.2	6
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35	Hyperglycemic Stress and Carbon Stress in Diabetic Glucotoxicity. , 2016, 7, 90.		99
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39	Protein Modifications as Manifestations of Hyperglycemic Glucotoxicity in Diabetes and Its Complications. <i>Biochemistry Insights</i> , 2016, 9, BCI.S36141.	3.3	53
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45	1,4-Anhydro-4-seleno-D-talitol (SeTal) protects endothelial function in the mouse aorta by scavenging superoxide radicals under conditions of acute oxidative stress. <i>Biochemical Pharmacology</i> , 2017, 128, 34-45.	2.0	25
46	Redox imbalance and mitochondrial abnormalities in the diabetic lung. <i>Redox Biology</i> , 2017, 11, 51-59.	3.9	64
47	Synthesis and <i>In Vivo</i> Evaluation of Decursinol Derivatives as Antidiabetics. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 1075-1079.	1.0	1
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55	Curcumin attenuates oxidative stress in liver in Type 1 diabetic rats. <i>Open Life Sciences</i> , 2017, 12, 452-459.	0.6	8

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60	Ginger Ingredients Alleviate Diabetic Prostatic Complications: Effect on Oxidative Stress and Fibrosis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-12.	0.5	15
61	Aldose Reductase Inhibitor Protects against Hyperglycemic Stress by Activating Nrf2-Dependent Antioxidant Proteins. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-9.	1.0	16
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76	Ameliorative Influence of Dietary Fenugreek ( <i>Trigonella foenum-graecum</i> ) Seeds and Onion ( <i>Allium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Experimental Diabetes. Current Eye Research, 2018, 43, 1108-1118.	0.7	8
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101	Protective effect of glycine in streptozotocin-induced diabetic cataract through aldose reductase inhibitory activity. <i>Biomedicine and Pharmacotherapy</i> , 2019, 114, 108794.	2.5	8
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104	The olive constituent oleuropein exerts nephritic protective effects on diabetic nephropathy in db/db mice. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 455-462.	1.0	11
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112	Ameliorative effects of <i>Mentha aquatica</i> on diabetic and nephroprotective potential activities in STZ-induced renal injury. <i>Comparative Clinical Pathology</i> , 2020, 29, 189-199.	0.3	11
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123	Aldose reductase inhibition of <i>Rosa hybrida</i> petals and its active component, kaempferol. <i>Horticulture Environment and Biotechnology</i> , 2020, 61, 601-607.	0.7	1
124	Kaempferol Rhamnosides from <i>Geranium sibiricum</i> as Aldose Reductase Inhibitors and Their Content by HPLC Analysis. <i>Processes</i> , 2020, 8, 694.	1.3	1
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129	Nerve damage induced skeletal muscle atrophy is associated with increased accumulation of intramuscular glucose and polyol pathway intermediates. <i>Scientific Reports</i> , 2020, 10, 1908.	1.6	16
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132	Effects of D-Limonene on aldose reductase and protein glycation in diabetic rats. <i>Journal of King Saud University - Science</i> , 2020, 32, 1953-1958.	1.6	7
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